Towards a Real-time 1-Hz Global GPS Network

JAMES F ZUMBERGE Danan Dong Martin R Marcin David A Stowers

Jet Propulsion Laboratory, California Institute of Technology 4800 Oak Grove Drive, MS 238-600 Pasadena, CA 91109 USA

James.F.Zumberge@jpl.nasa.gov Danan.Dong@jpl.nasa.gov Martin.R.Marcin@jpl.nasa.gov David.A.Stowers@jpl.nasa.gov

The evolution of the global GPS network (GGN) during the the 1990s has included improved global coverage, lower latency, and, most recently, higher data rates. The trend towards real-time 1-Hz tracking for a well distributed subset of the GGN is clear. The applications of such a network, the challenges involved in deploying it, and the meaning of "real time" in this context will be discussed.

Session 12: Issues of data quality management and hardware/software technological problems in GPS

ORAL

contact: James F Zumberge